



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

BIB DATA SHEET

CONFIRMATION NO. 1645

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.	
10/775,840	02/10/2004	166	3676	1391-46000	
RULE					
APPLICANTS Carey J. Naquin, Katy, TX; John R. Hardin JR., Spring, TX; James W. Estep, Houston, TX; David Rios-Aleman, Houston, TX; Haoshi Song, Sugar Land, TX; Christopher A. Maranuk, Houston, TX;					
** CONTINUING DATA ***** ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 05/18/2004					
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/THOMAS S BOMAR/</u> Examiner's Signature	<input type="checkbox"/> Met after Allowance tsb Initials	STATE OR COUNTRY TX	SHEETS DRAWINGS 2	TOTAL CLAIMS 57	INDEPENDENT CLAIMS 4
ADDRESS CONLEY ROSE, P.C. David A. Rose P. O. BOX 3267 HOUSTON, TX 77253-3267 UNITED STATES					
TITLE APPARATUS FOR CHANGING FLOWBORE FLUID TEMPERATURE					
FILING FEE RECEIVED 1652	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	